Input: Colorimetric Offset Reflective System ORS18a

for hue *h = *lab*h* = 36/360 = 0.1**

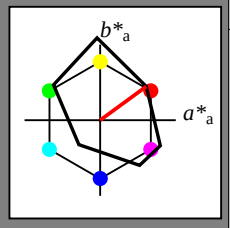
lab*tch* and *lab*nch

D65: hue O

LCH*Ma: 35 76 36

olv*Ma: 1.0 0.0 0.0

triangle lightness *t**



%Gamut

u*rel = 109

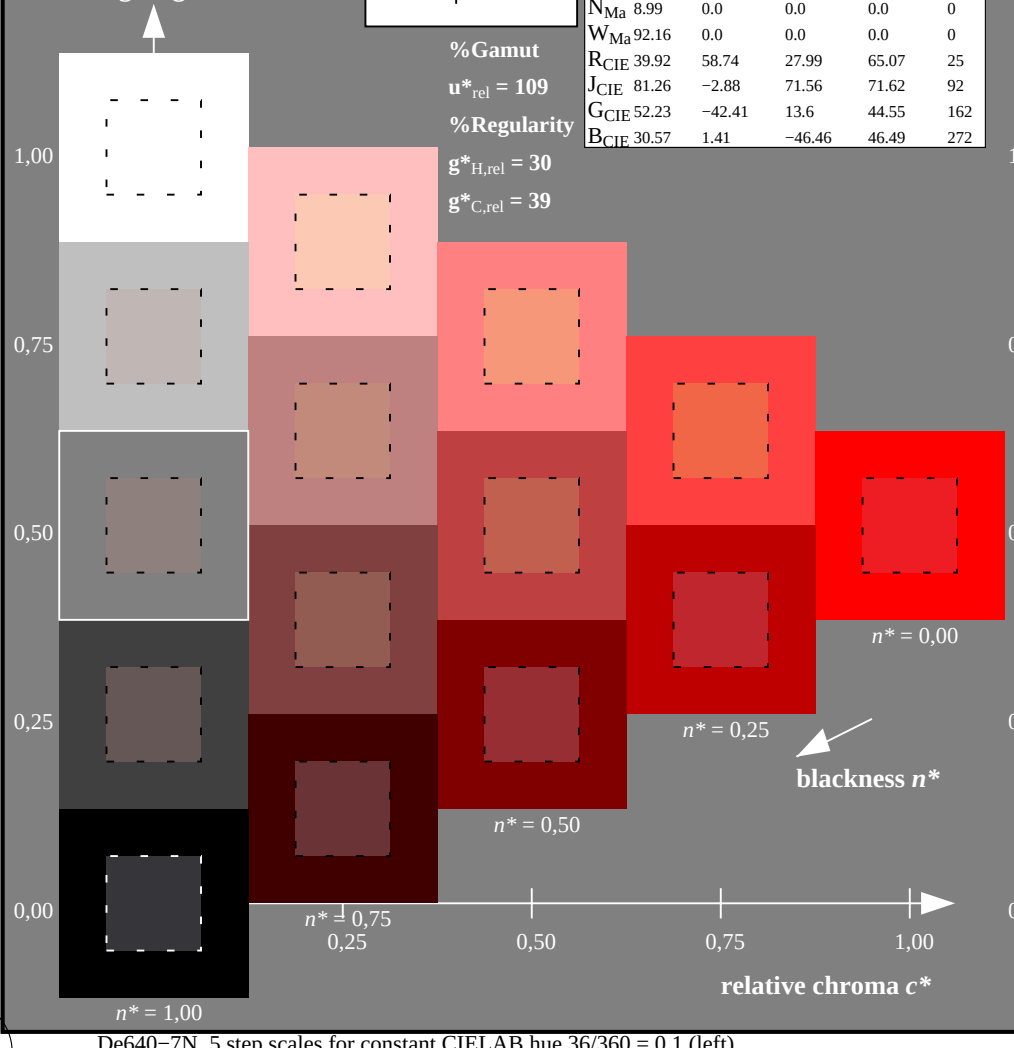
%Regularity

g*H,rel = 30

g*C,rel = 39

ORS18a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



Output: Colorimetric Offset Reflective System ORS18a

for hue *h = *lab*h* = 36/360 = 0.1**

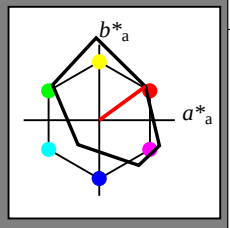
lab*tch* and *lab*nch

D65: hue O

LCH*Ma: 35 76 36

olv*Ma: 1.0 0.0 0.0

triangle lightness *t**



%Gamut

u*rel = 109

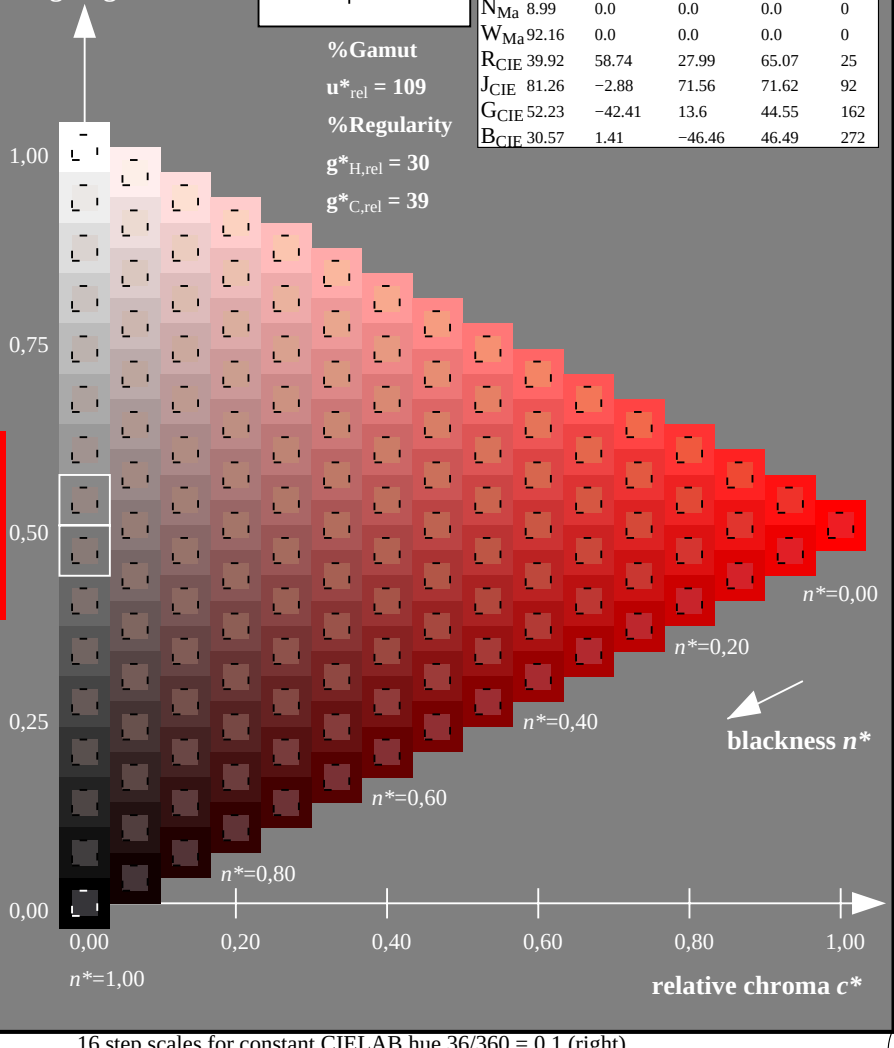
%Regularity

g*H,rel = 30

g*C,rel = 39

ORS18a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



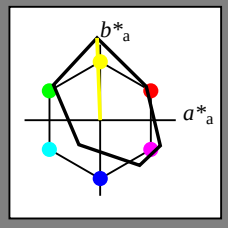
De640−7N, 5 step scales for constant CIELAB hue 36/360 = 0.1 (left)

16 step scales for constant CIELAB hue 36/360 = 0.1 (right)

input: *cmy0−center*, *rgb−background*
output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18a

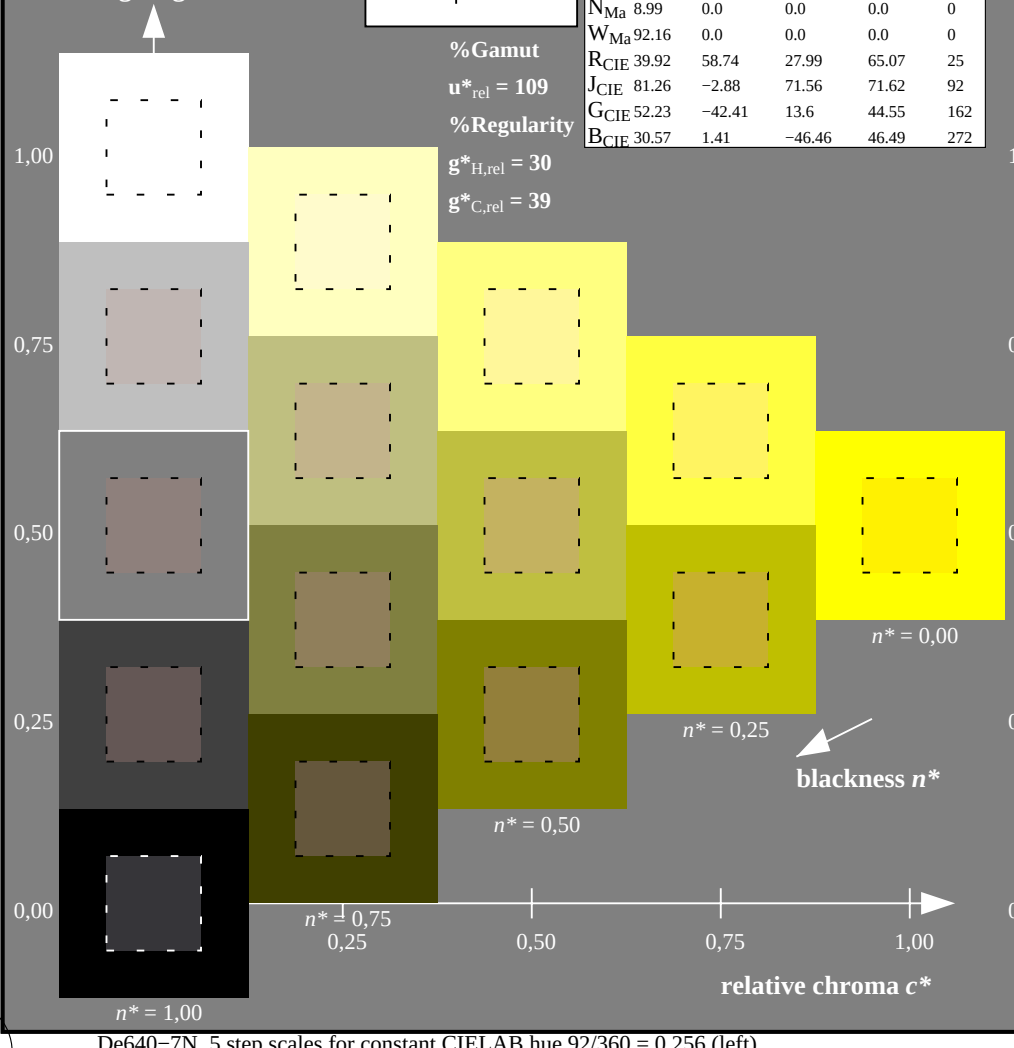
for hue *h* = lab*h = 92/360 = 0.256*
*lab*tch* and *lab*nch*
D65: hue Y
LCH*Ma: 84 109 92
olv*Ma: 1.0 1.0 0.0
triangle lightness *t**



%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39

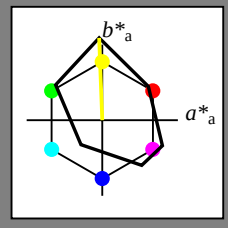
ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



Output: Colorimetric Offset Reflective System ORS18a

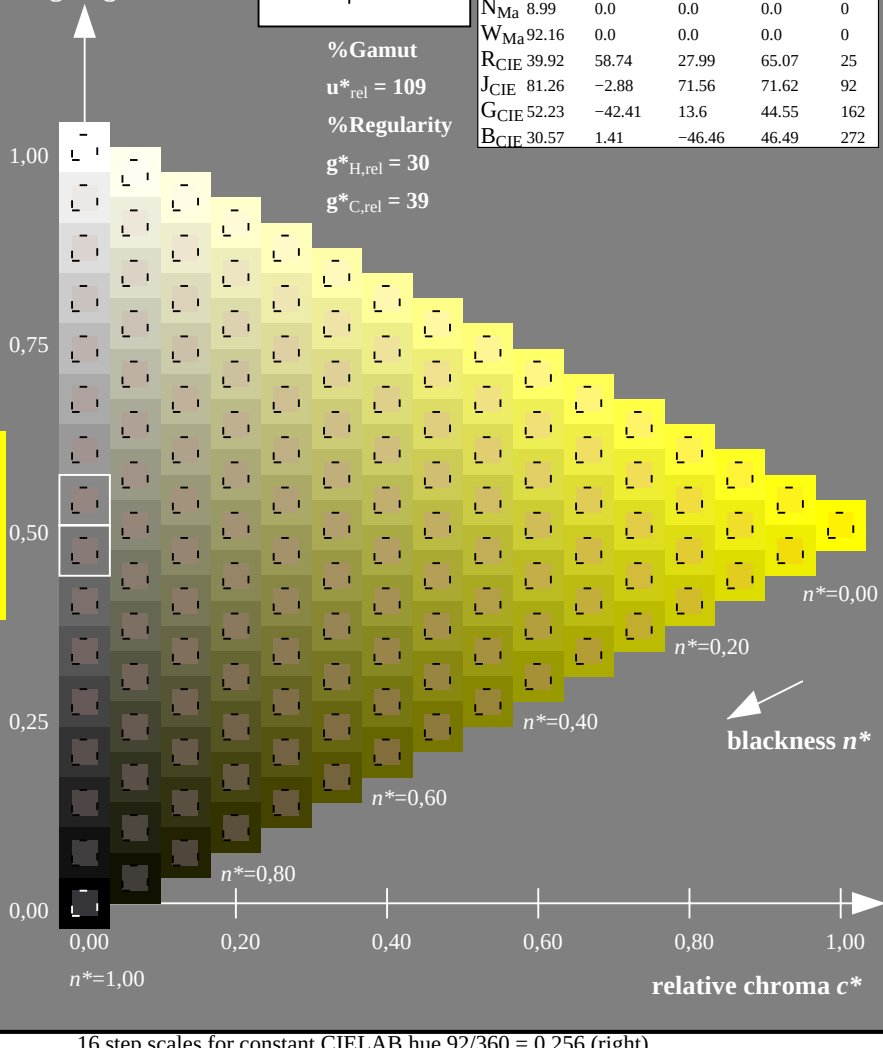
for hue *h* = lab*h = 92/360 = 0.256*
*lab*tch* and *lab*nch*
D65: hue Y
LCH*Ma: 84 109 92
olv*Ma: 1.0 1.0 0.0
triangle lightness *t**



%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39

ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



De640−7N, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)
16 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Offset Reflective System ORS18a

for hue *h = *lab*h* = 143/360 = 0.397**

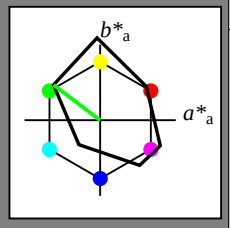
lab*tch* and *lab*nch

D65: hue L

LCH*Ma: 43 77 143

olv*Ma: 0.0 1.0 0.0

triangle lightness *t**



%Gamut

u*rel = 109

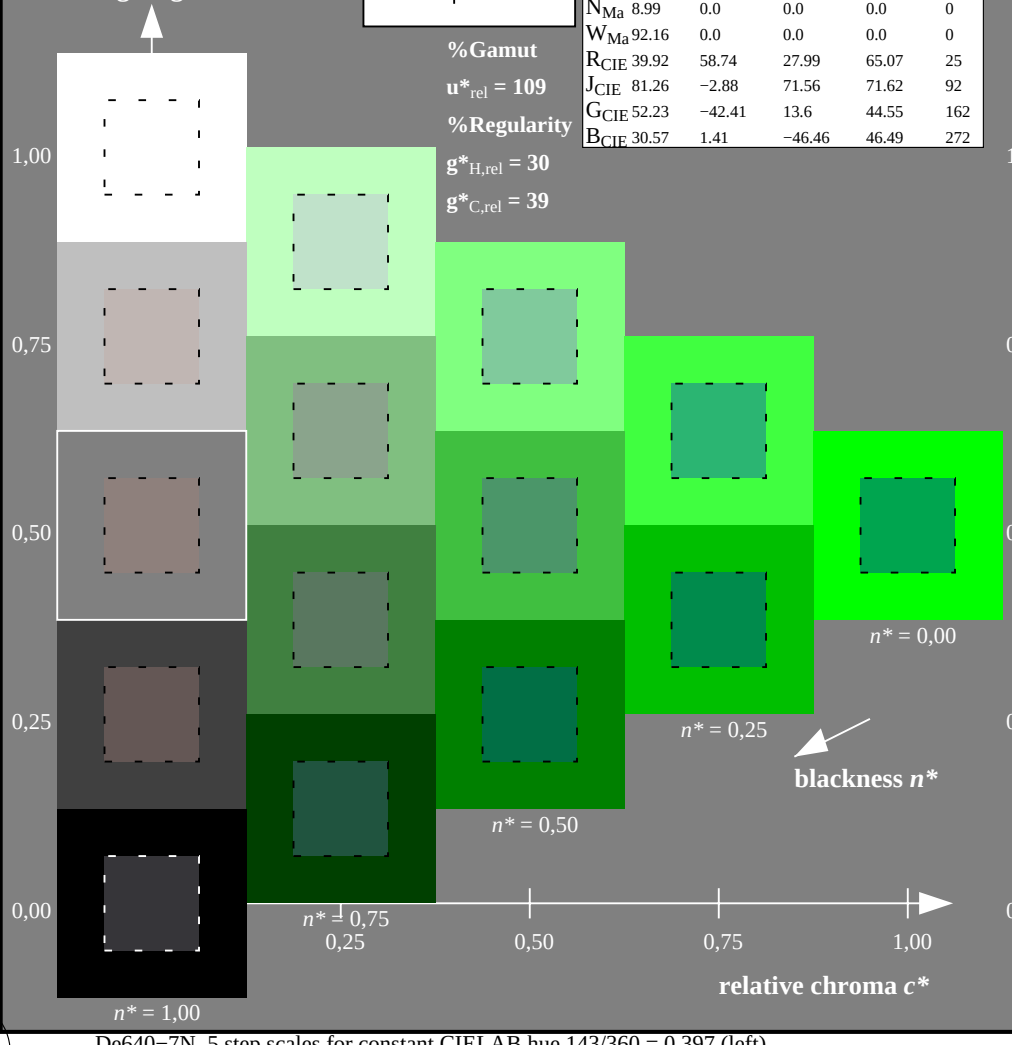
%Regularity

g*H,rel = 30

g*C,rel = 39

ORS18a; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



Output: Colorimetric Offset Reflective System ORS18a

for hue *h = *lab*h* = 143/360 = 0.397**

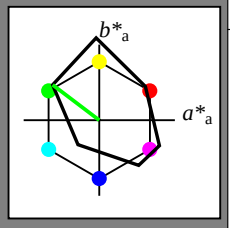
lab*tch* and *lab*nch

D65: hue L

LCH*Ma: 43 77 143

olv*Ma: 0.0 1.0 0.0

triangle lightness *t**



%Gamut

u*rel = 109

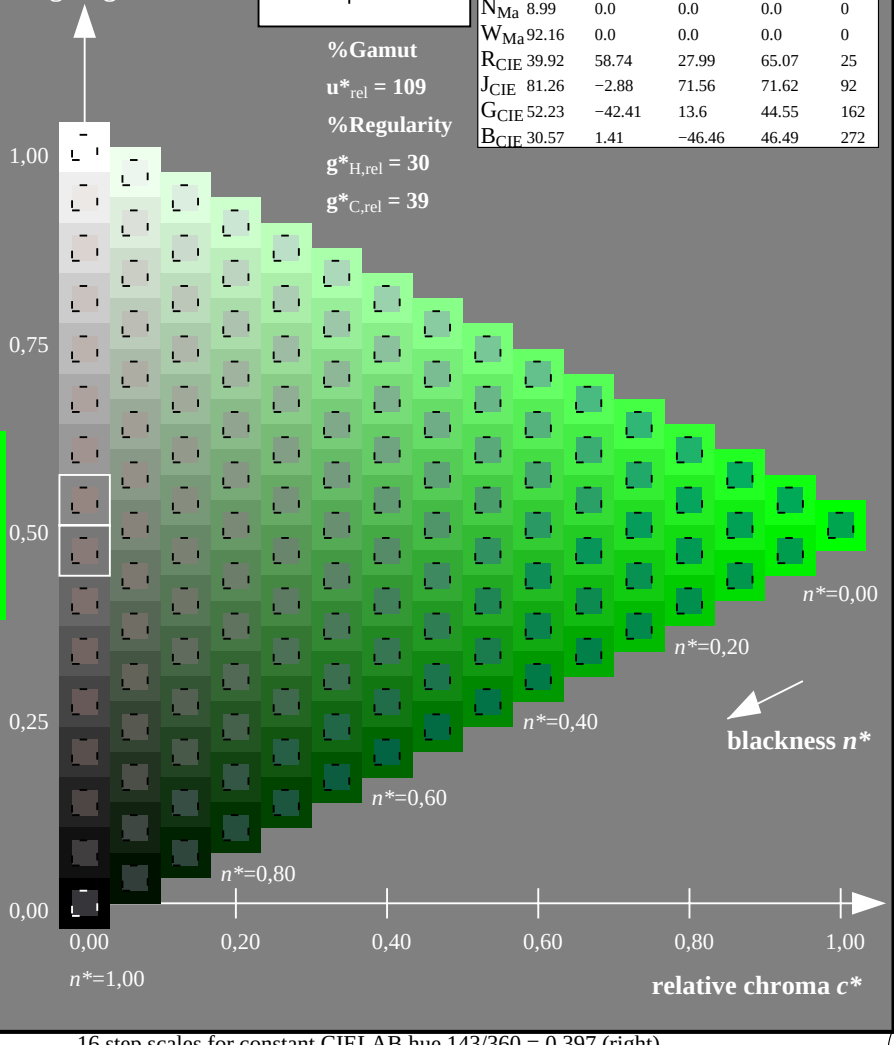
%Regularity

g*H,rel = 30

g*C,rel = 39

ORS18a; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



De640−7N, 5 step scales for constant CIELAB hue 143/360 = 0.397 (left)

16 step scales for constant CIELAB hue 143/360 = 0.397 (right)

Input: Colorimetric Offset Reflective System ORS18a

for hue *h = *lab*h* = 229/360 = 0.636**

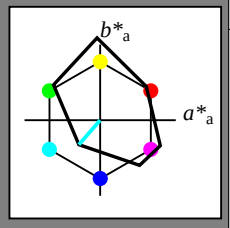
lab*tch* and *lab*nch

D65: hue C

LCH*Ma: 52 43 229

olv*Ma: 0.0 1.0 1.0

triangle lightness *t**



%Gamut

u^*_{rel} = 109

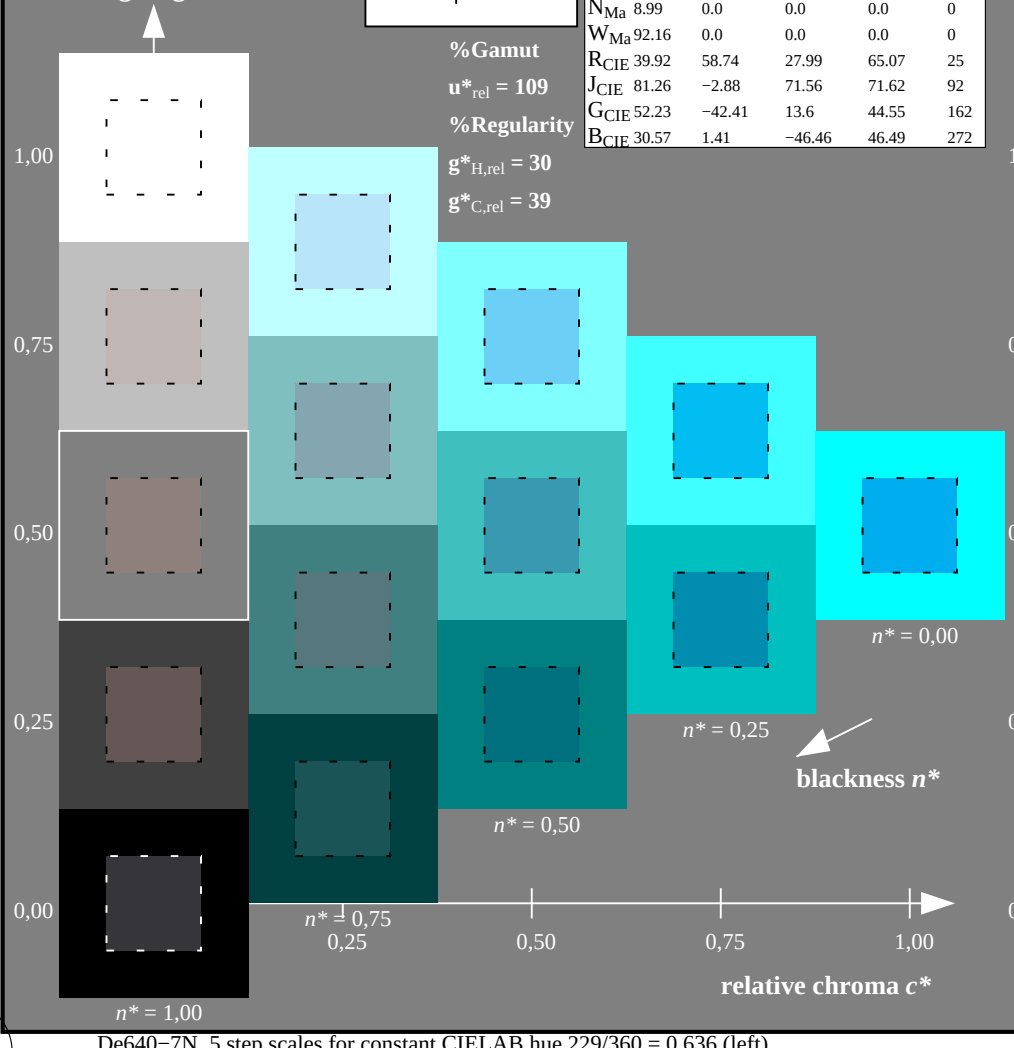
%Regularity

$g^*_{H,rel}$ = 30

$g^*_{C,rel}$ = 39

ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



De640−7N, 5 step scales for constant CIELAB hue 229/360 = 0.636 (left)

Output: Colorimetric Offset Reflective System ORS18a

for hue *h = *lab*h* = 229/360 = 0.636**

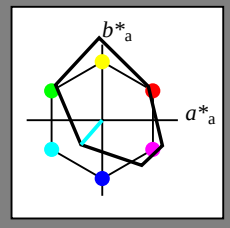
lab*tch* and *lab*nch

D65: hue C

LCH*Ma: 52 43 229

olv*Ma: 0.0 1.0 1.0

triangle lightness *t**



%Gamut

u^*_{rel} = 109

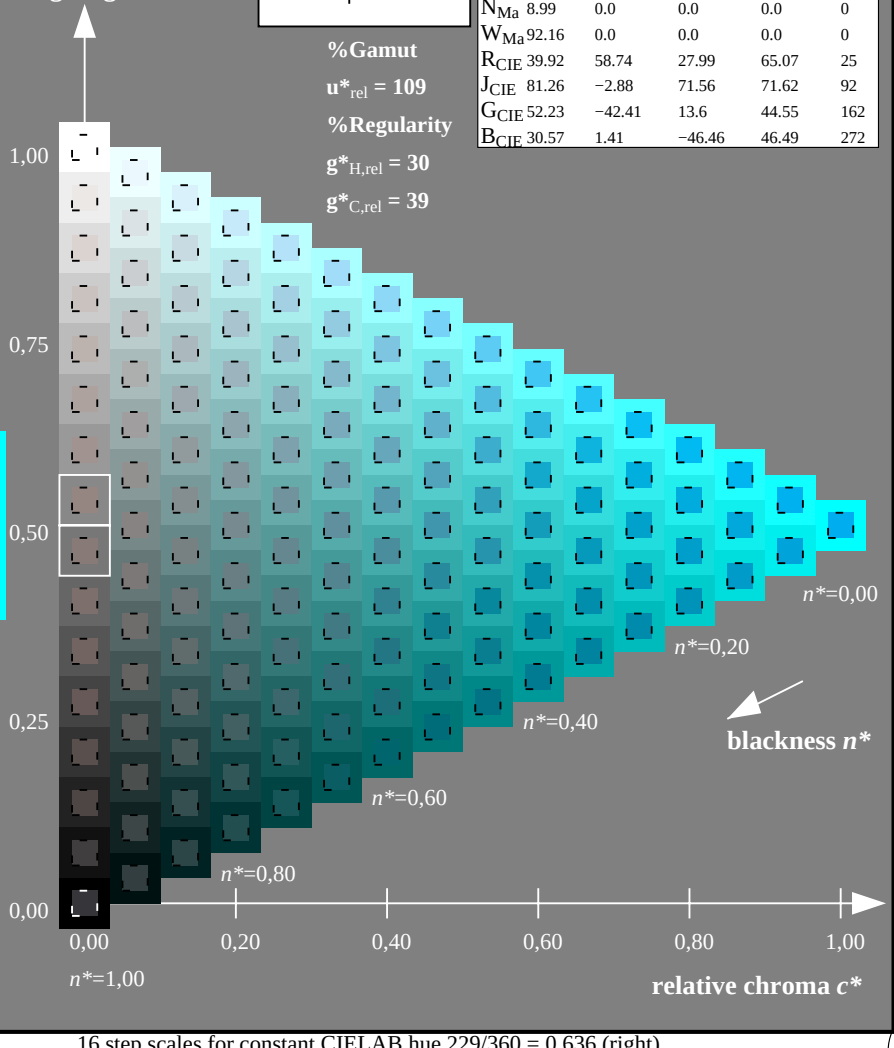
%Regularity

$g^*_{H,rel}$ = 30

$g^*_{C,rel}$ = 39

ORS18a; adapted (a) CIELAB data

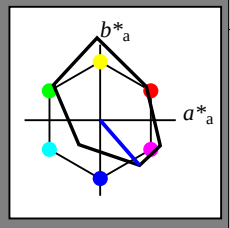
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



16 step scales for constant CIELAB hue 229/360 = 0.636 (right)

Input: Colorimetric Offset Reflective System ORS18a

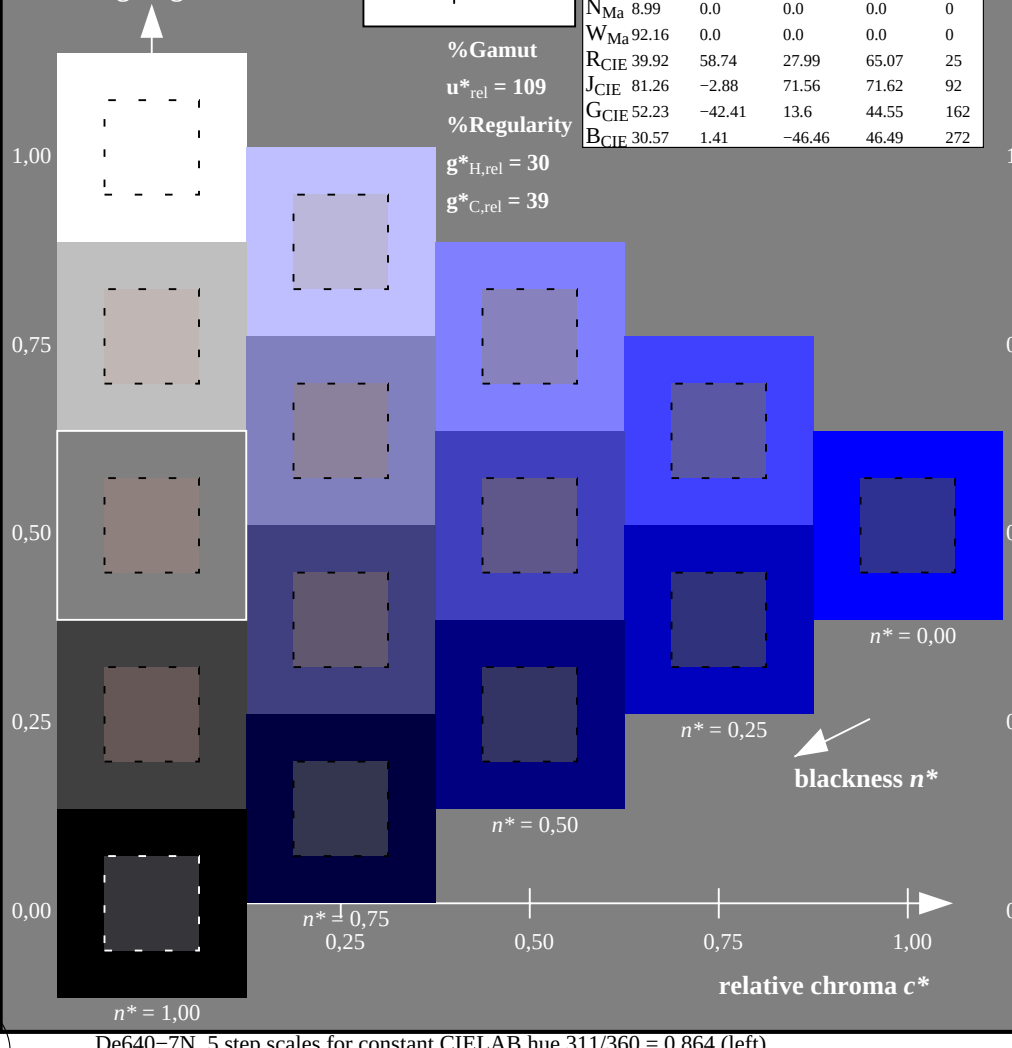
for hue *h* = lab*h = 311/360 = 0.864*
*lab*tch* and *lab*nch*
D65: hue V
LCH*Ma: 14 79 311
olv*Ma: 0.0 0.0 1.0
triangle lightness *t**



%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39

ORS18a; adapted (a) CIELAB data

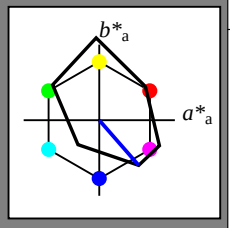
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



De640−7N, 5 step scales for constant CIELAB hue 311/360 = 0.864 (left)

Output: Colorimetric Offset Reflective System ORS18a

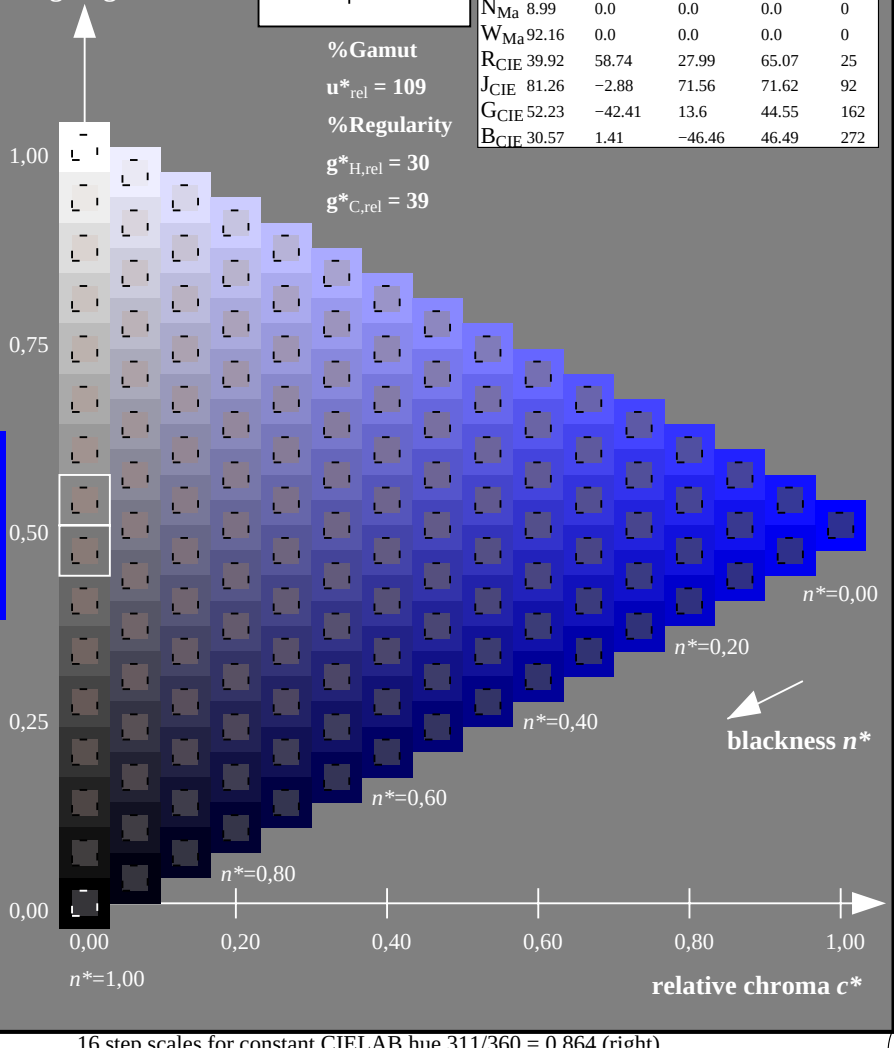
for hue *h* = lab*h = 311/360 = 0.864*
*lab*tch* and *lab*nch*
D65: hue V
LCH*Ma: 14 79 311
olv*Ma: 0.0 0.0 1.0
triangle lightness *t**



%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39

ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



16 step scales for constant CIELAB hue 311/360 = 0.864 (right)

Input: Colorimetric Offset Reflective System ORS18a

for hue *h = *lab*h* = 337/360 = 0.936**

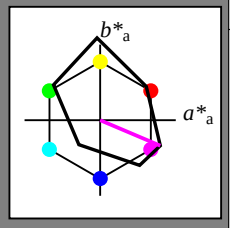
lab*tch* and *lab*nch

D65: hue M

LCH*Ma: 38 86 337

olv*Ma: 1.0 0.0 1.0

triangle lightness *t**



%Gamut

u*rel = 109

%Regularity

g*H,rel = 30

g*C,rel = 39

ORS18a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

1,00
0,75
0,50
0,25
0,00

*n** = 1,00
*n** = 0,75
*n** = 0,50
*n** = 0,25
*n** = 0,00

blackness *n**

0,25 0,50 0,75 1,00

relative chroma *c**

Output: Colorimetric Offset Reflective System ORS18a

for hue *h = *lab*h* = 337/360 = 0.936**

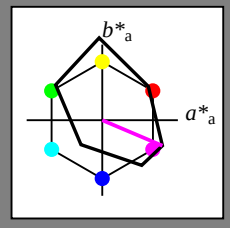
lab*tch* and *lab*nch

D65: hue M

LCH*Ma: 38 86 337

olv*Ma: 1.0 0.0 1.0

triangle lightness *t**



%Gamut

u*rel = 109

%Regularity

g*H,rel = 30

g*C,rel = 39

ORS18a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

1,00
0,75
0,50
0,25
0,00

*n**=1,00
*n**=0,80
*n**=0,60
*n**=0,40
*n**=0,20
*n**=0,00

blackness *n**

0,00 0,20 0,40 0,60 0,80 1,00

relative chroma *c**

De640−7N, 5 step scales for constant CIELAB hue 337/360 = 0.936 (left)

16 step scales for constant CIELAB hue 337/360 = 0.936 (right)

Input: Colorimetric Offset Reflective System ORS18a

for hue *h = *lab*h* = 25/360 = 0.071**

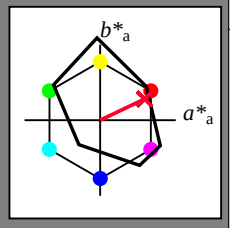
lab*tch* and *lab*nch

D65: hue R

LCH*Ma: 36 71 25

olv*Ma: 1.0 0.0 0.18

triangle lightness *t**



%Gamut

u^*_{rel} = 109

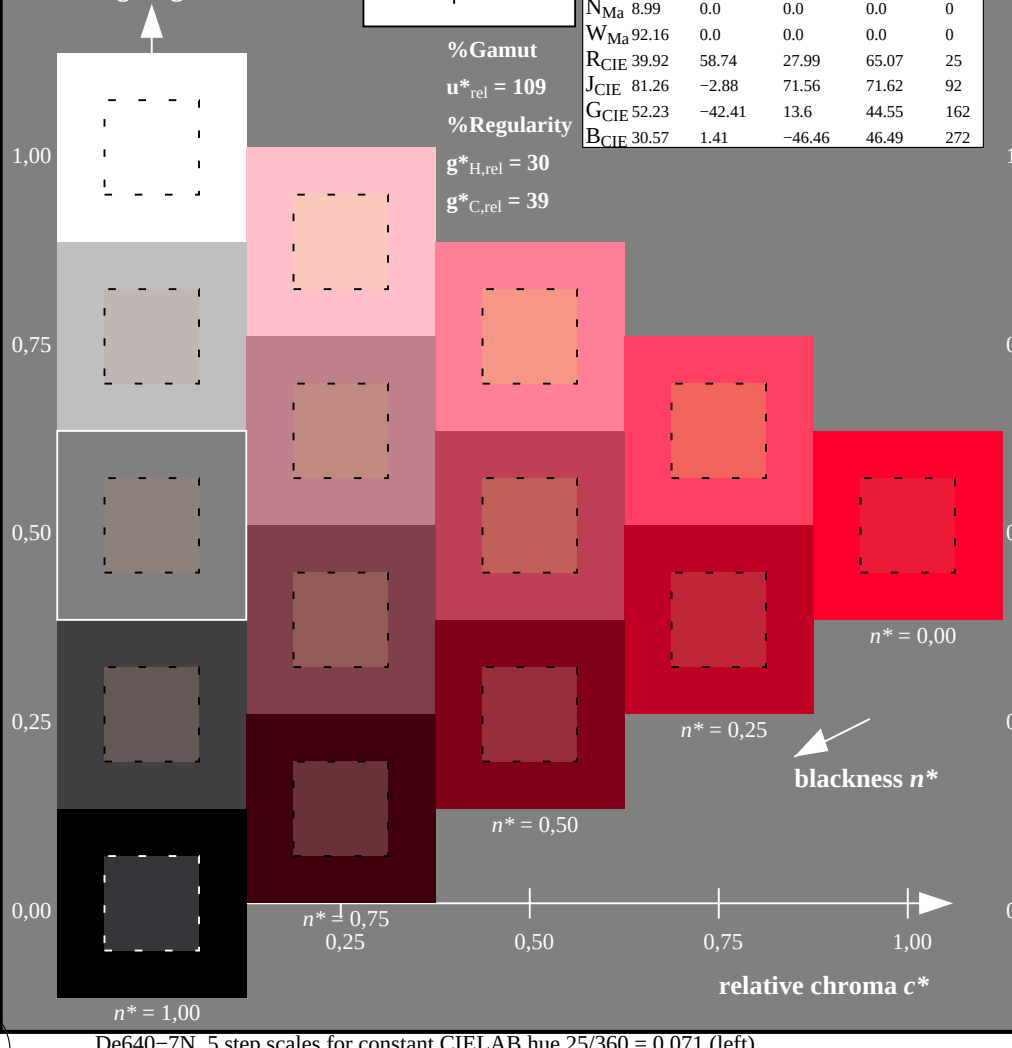
%Regularity

$g^*_{H,rel}$ = 30

$g^*_{C,rel}$ = 39

ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



De640−7N, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Offset Reflective System ORS18a

for hue *h = *lab*h* = 25/360 = 0.071**

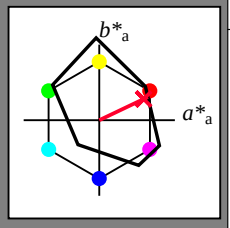
lab*tch* and *lab*nch

D65: hue R

LCH*Ma: 36 71 25

olv*Ma: 1.0 0.0 0.18

triangle lightness *t**



%Gamut

u^*_{rel} = 109

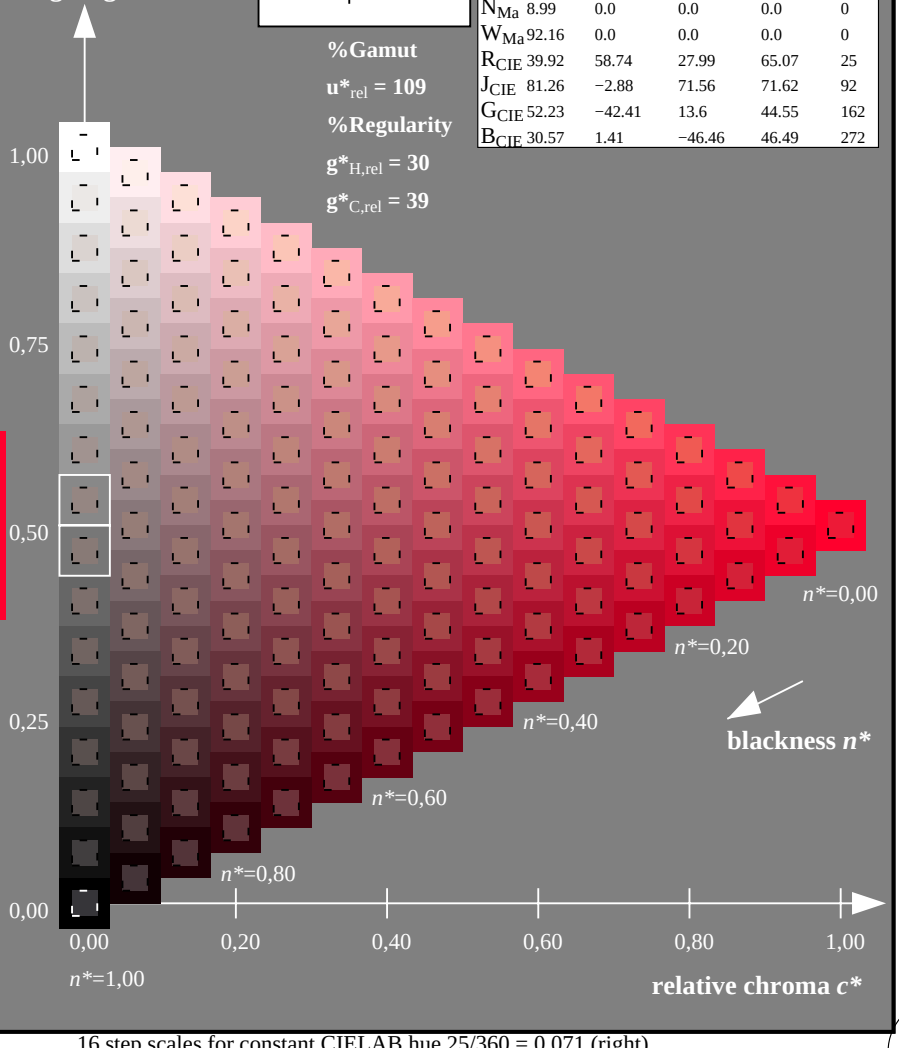
%Regularity

$g^*_{H,rel}$ = 30

$g^*_{C,rel}$ = 39

ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



16 step scales for constant CIELAB hue 25/360 = 0.071 (right)

Input: Colorimetric Offset Reflective System ORS18a

for hue *h = *lab*h* = 92/360 = 0.256**

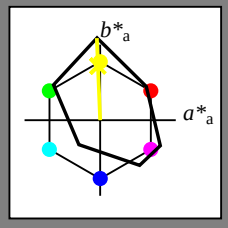
lab*tch* and *lab*nch

D65: hue J

LCH*Ma: 83 109 92

olv*Ma: 1.0 1.0 0.0

triangle lightness *t**



%Gamut

u*rel = 109

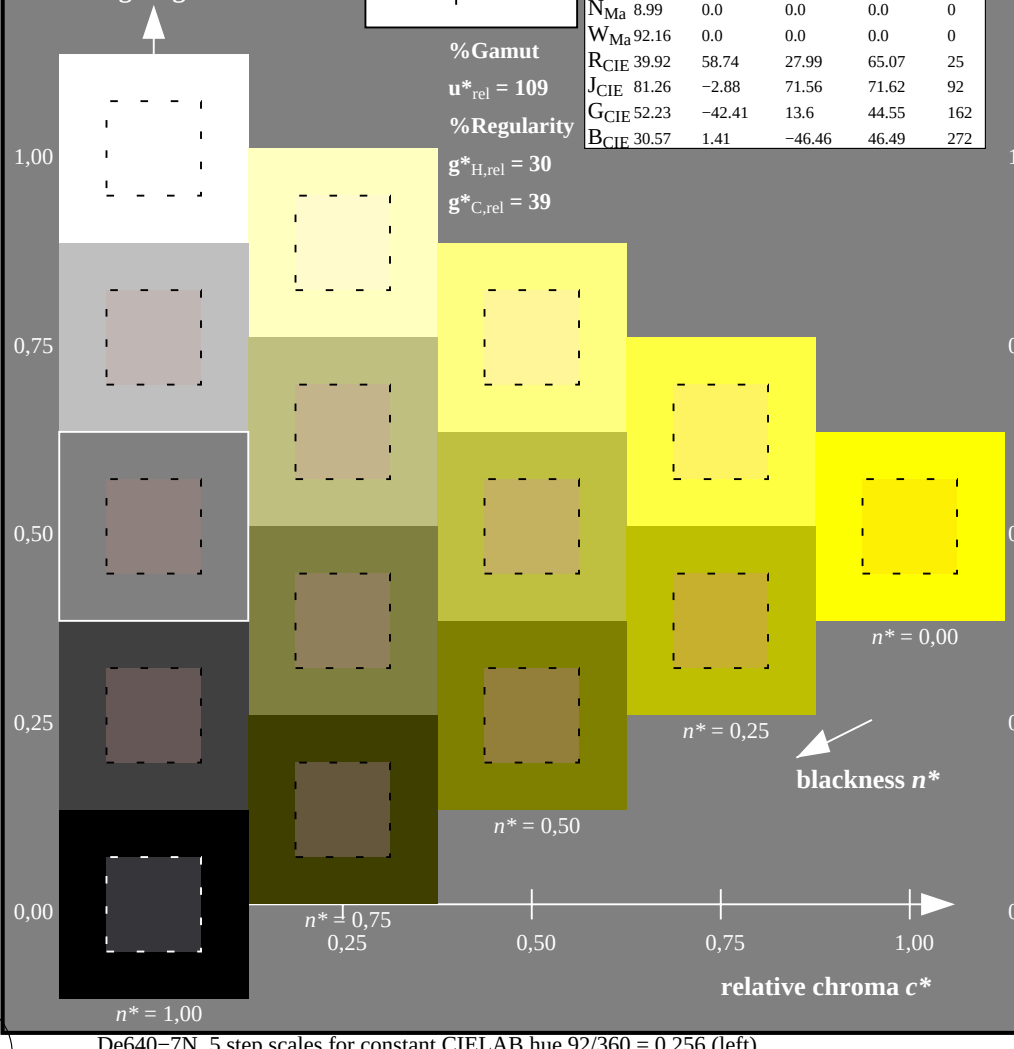
%Regularity

g*H,rel = 30

g*C,rel = 39

ORS18a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



Output: Colorimetric Offset Reflective System ORS18a

for hue *h = *lab*h* = 92/360 = 0.256**

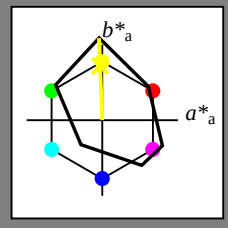
lab*tch* and *lab*nch

D65: hue J

LCH*Ma: 83 109 92

olv*Ma: 1.0 1.0 0.0

triangle lightness *t**



%Gamut

u*rel = 109

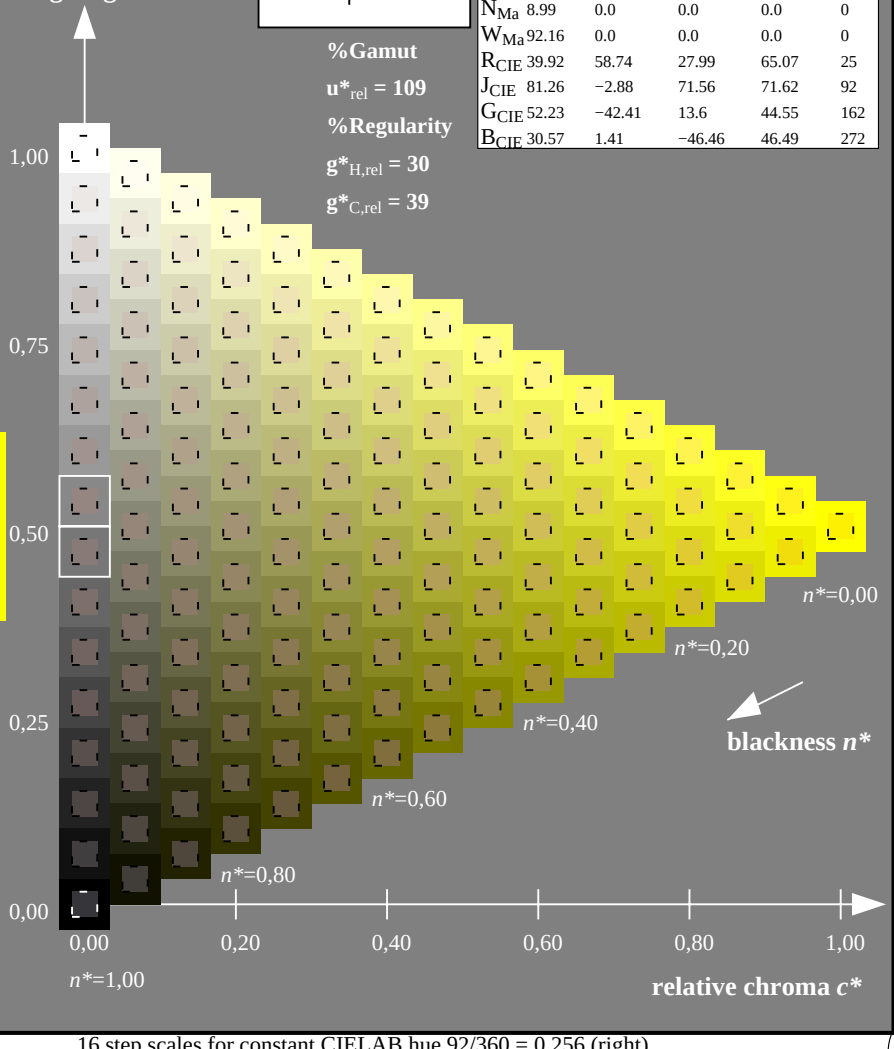
%Regularity

g*H,rel = 30

g*C,rel = 39

ORS18a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

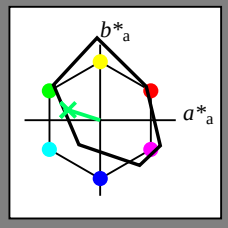


De640−7N, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

16 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Offset Reflective System ORS18a

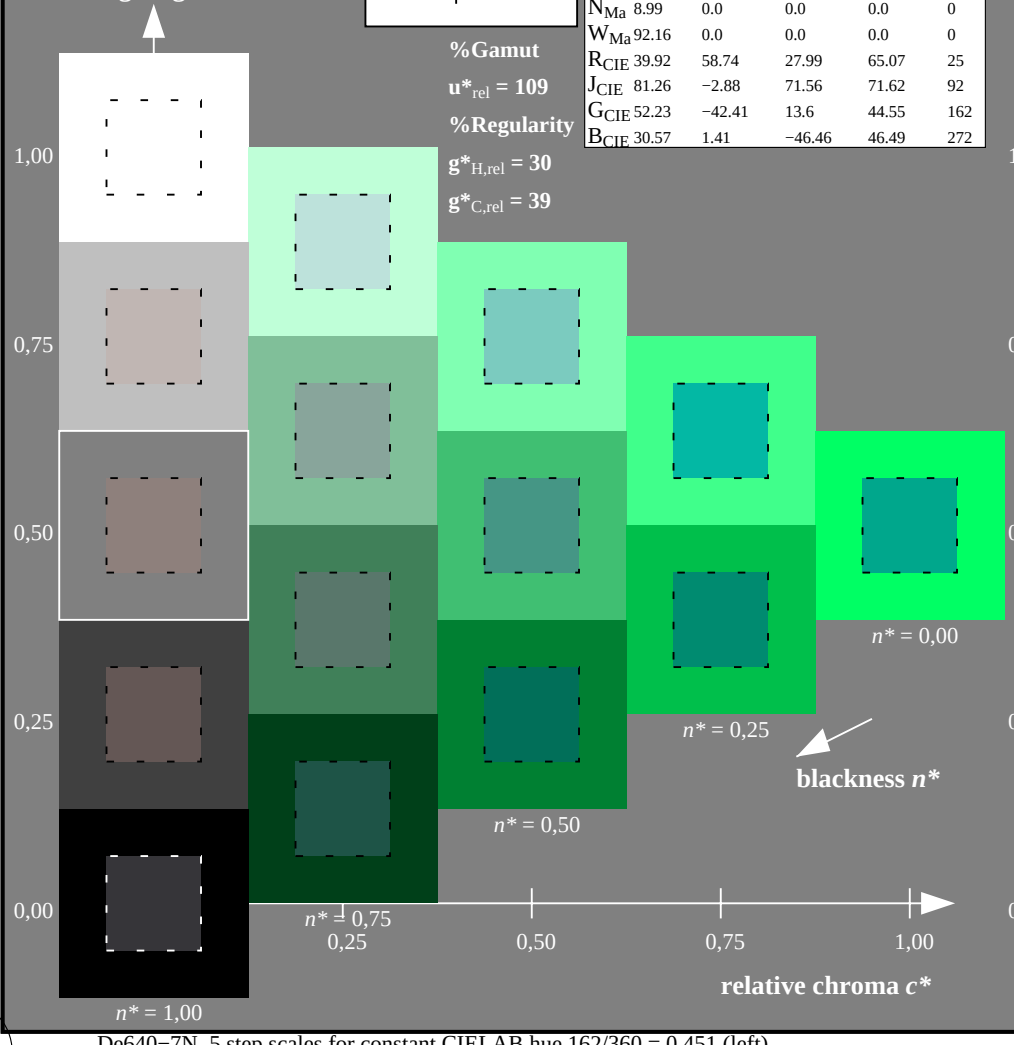
for hue *h* = lab*h = 162/360 = 0.451*
*lab*tch* and *lab*nch*
D65: hue G
LCH*Ma: 47 51 162
olv*Ma: 0.0 1.0 0.39
triangle lightness *t**



%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39

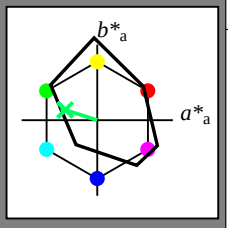
ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



Output: Colorimetric Offset Reflective System ORS18a

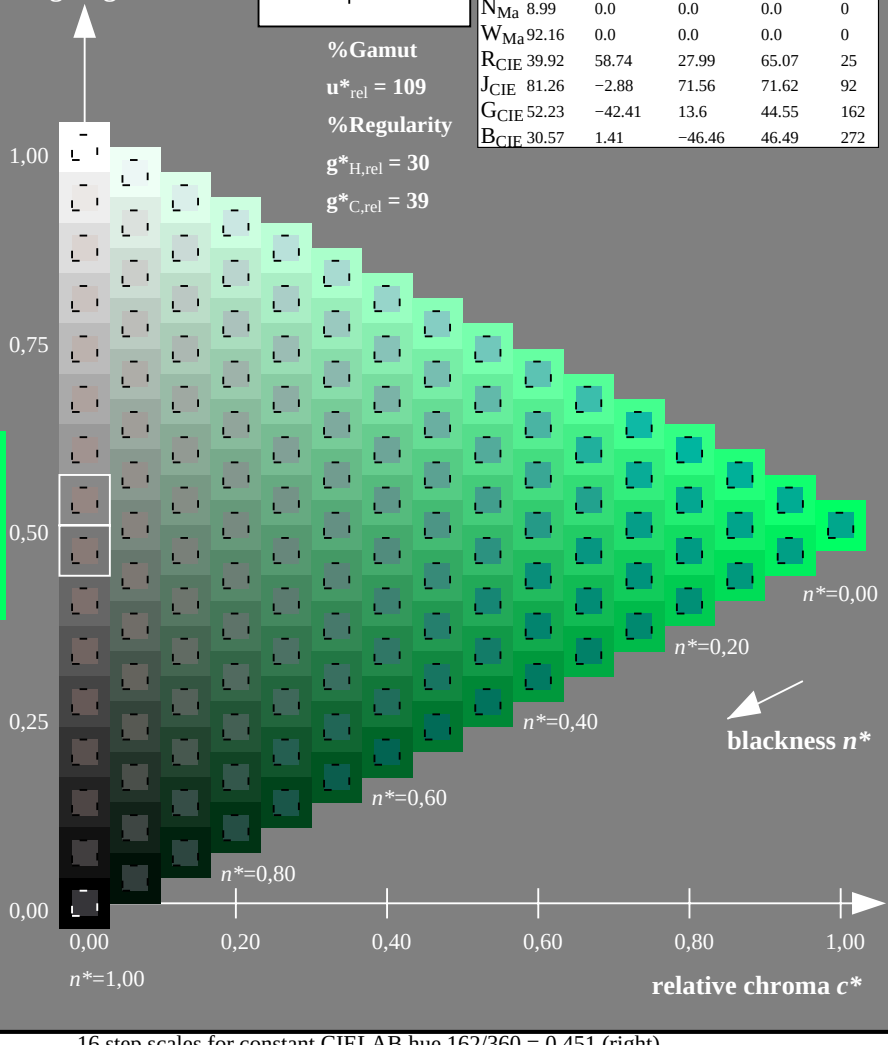
for hue *h* = lab*h = 162/360 = 0.451*
*lab*tch* and *lab*nch*
D65: hue G
LCH*Ma: 47 51 162
olv*Ma: 0.0 1.0 0.39
triangle lightness *t**



%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 30
$g^*_{C,rel}$ = 39

ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



De640−7N, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)
16 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Offset Reflective System ORS18a

for hue *h = *lab*h* = 272/360 = 0.755**

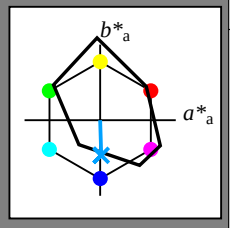
lab*tch* and *lab*nch

D65: hue B

LCH*Ma: 38 42 272

olv*Ma: 0.0 0.63 1.0

triangle lightness *t**



%Gamut

u*rel = 109

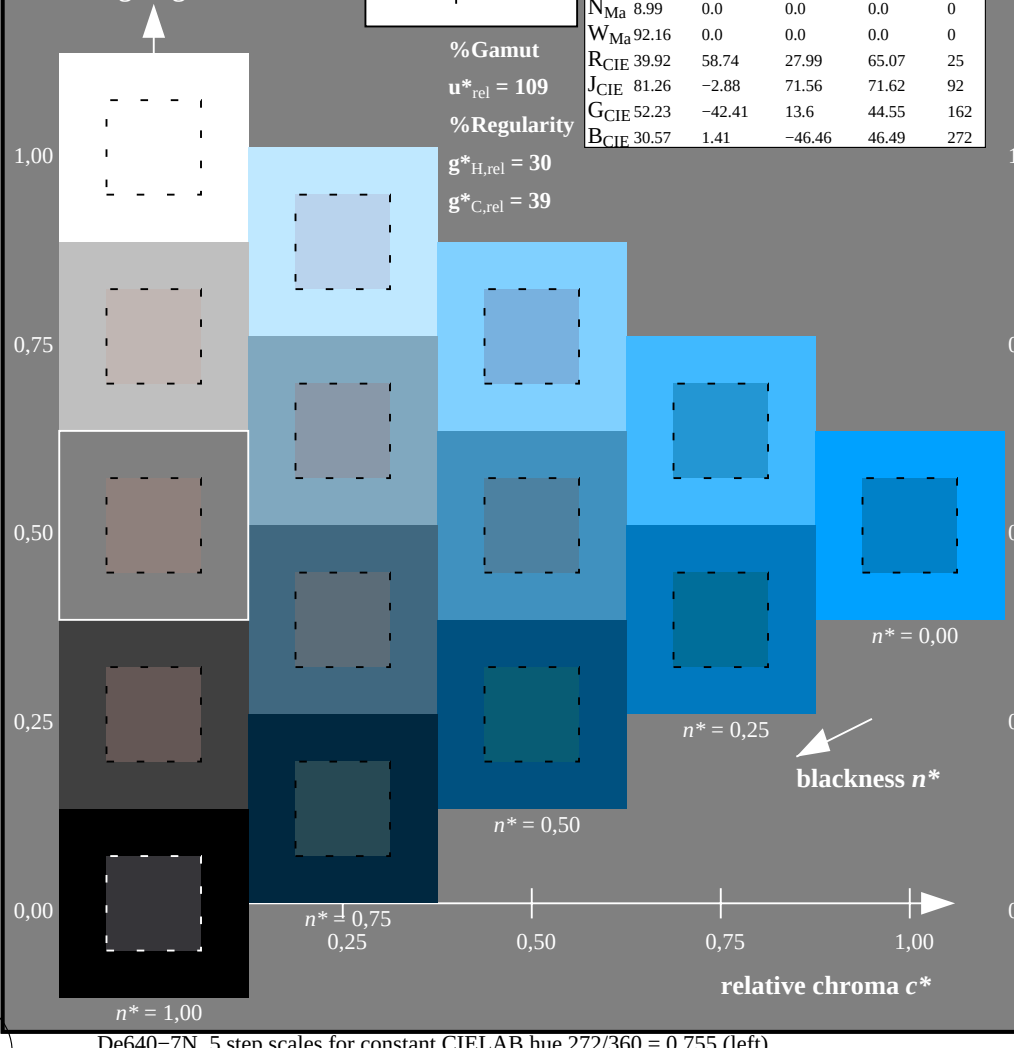
%Regularity

g*H,rel = 30

g*C,rel = 39

ORS18a; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



De640−7N, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

Output: Colorimetric Offset Reflective System ORS18a

for hue *h = *lab*h* = 272/360 = 0.755**

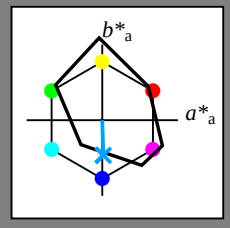
lab*tch* and *lab*nch

D65: hue B

LCH*Ma: 38 42 272

olv*Ma: 0.0 0.63 1.0

triangle lightness *t**



%Gamut

u*rel = 109

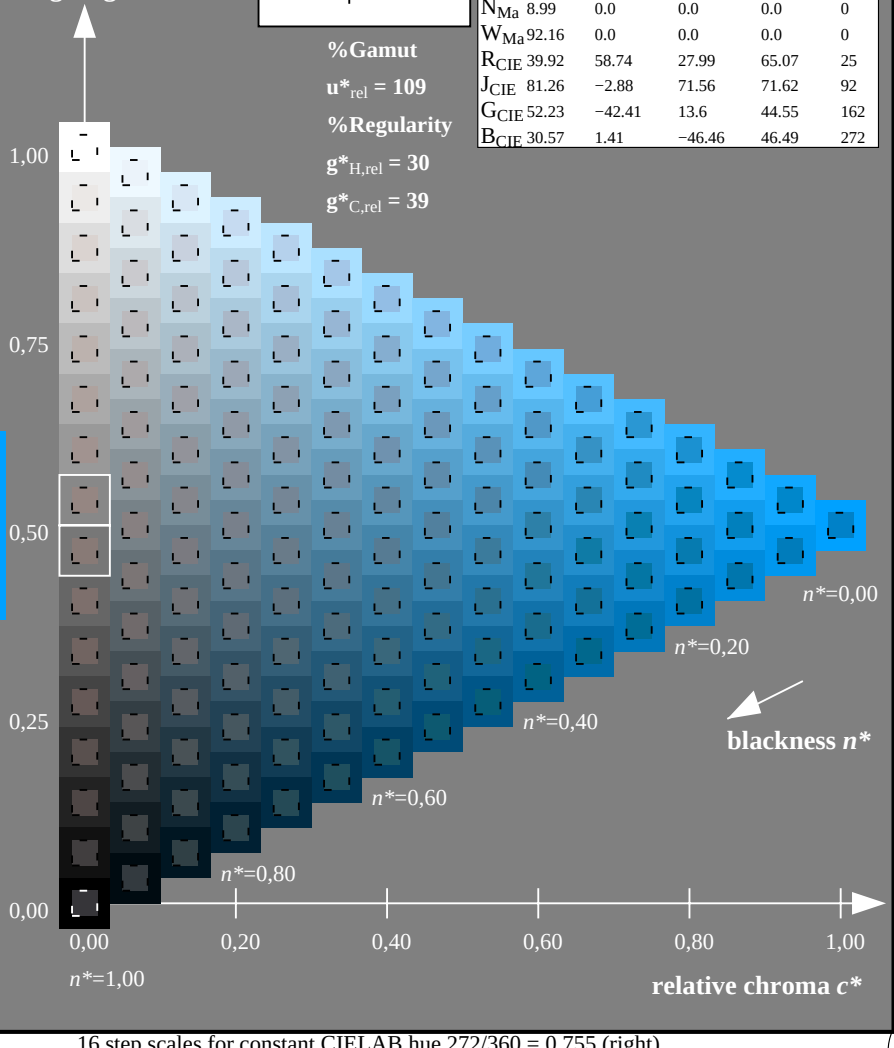
%Regularity

g*H,rel = 30

g*C,rel = 39

ORS18a; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	35.32	60.99	44.6	75.56	36
Y_{Ma}	83.65	−4.11	108.86	108.94	92
L_{Ma}	43.49	−61.66	46.73	77.37	143
C_{Ma}	52.18	−28.14	−32.36	42.9	229
V_{Ma}	13.71	52.15	−59.7	79.28	311
M_{Ma}	37.69	79.56	−33.73	86.42	337
N_{Ma}	8.99	0.0	0.0	0.0	0
W_{Ma}	92.16	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272



16 step scales for constant CIELAB hue 272/360 = 0.755 (right)

input: *cmy0−center, rgb−background*
output: no change compared to input